

Work Order ID 109833

December-03-13 8:35:54 AM

109833

Ship Dec 6

Page 1

Item ID: D3889-3

Accept

N900040100

Setup

Start

NS1

Revision ID:

Item Name: Gasket

Start Date: 12/03/13 Start Qty: 3.00

3

Cust Item ID:

Required Date: 12/10/13 Req'd Qty: 3.00

3

Customer:

Reference:

Approvals: Process Plan: ML5

Date: 13-12-03

Tooling:

Date:

Run

Start

NR1

QC: _____

Date: _____

SPC (Y/N):

Date: _____

Stop

NR2

| Sequence ID/ Work Center ID | Operation Description | Set Up/ Run Hours | Tool ID | Tool # | Plan Code | Accept Qty | Reject Qty | Reject Number | Insp. Stamp |
|--------------------------------|--------------------------|----------------------|---------|--------|--------------|---------------|---------------|------------------|----------------|
|--------------------------------|--------------------------|----------------------|---------|--------|--------------|---------------|---------------|------------------|----------------|

| Draw Nbr | Revision Nbr |
|----------|--------------|
|----------|--------------|

D3889

A

100

100

Waterjet

FLOW CNC Waterjet

M4111 FOAM .125"

Memo

1-Cut as per Dwg D3889

Dwg Rev: A

Prog Rev: A

2-Deburr if necessary

110

QC2- Inspect parts off machine FAI/FAIB

110

QC

Quality Control

Memo

0.00

2

0

Jm.3.12.4

DQA:

Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed:

Date: _____

Work Order update only

| | | | | | | | |
|-------------------|---|--|------------------------------------|--|--------------------------------------|--|--|
| Work Order: _____ | DISPOSITION | AGAINST DEPARTMENT/PROCESS | | | | | |
| Part No. _____ | Rework <input type="checkbox"/> | Skid-tube <input type="checkbox"/> | Crosstube <input type="checkbox"/> | Water Jet <input type="checkbox"/> | Engineering <input type="checkbox"/> | | |
| NCR No. _____ | Scrap <input type="checkbox"/> | Machining <input type="checkbox"/> | Small Fab <input type="checkbox"/> | Prod. Eng. Coor. <input type="checkbox"/> | Quality <input type="checkbox"/> | | |
| | Use-as-is <input type="checkbox"/> | Thermoforming <input type="checkbox"/> | Finishing <input type="checkbox"/> | Rec/Store/Packaging <input type="checkbox"/> | Other <input type="checkbox"/> | | |
| | Suspected Unapproved <input type="checkbox"/> | Large Fab <input type="checkbox"/> | Composite <input type="checkbox"/> | Supplier <input type="checkbox"/> | | | |

| Root Cause | Date | Step | Qty | Description of work order update or non-conformance | Initial Chief Eng | Action Description | Sign & Date | Verification | QC Inspector |
|---------------|------|------|-----|---|-------------------|--------------------|-------------|--------------|--------------|
| Design | | | | | | | | | |
| Doc/Data | | | | | | | | | |
| Equip/Tooling | | | | | | | | | |
| Handling/Pre | | | | | | | | | |
| Material | | | | | | | | | |
| Operator | | | | | | | | | |
| Offset/Setup | | | | | | | | | |
| Process | | | | | | | | | |
| Supplier | | | | | | | | | |
| Training | | | | | | | | | |
| Transport | | | | | | | | | |
| Unapproved | | | | | | | | | |

| FAULT CATEGORY | | | | | | | | | |
|----------------|---|---|--|---|---|--|--|--|--|
| Landing Gear | General | | | | | | | | |
| | Bending <input type="checkbox"/> | Bend <input type="checkbox"/> | Folio/Program <input type="checkbox"/> | Outside Dimensions <input type="checkbox"/> | Pressure/Forced <input type="checkbox"/> | | | | |
| | Centre Not Concentric <input type="checkbox"/> | BOM/Route <input type="checkbox"/> | Grain <input type="checkbox"/> | Over/Under tolerance <input type="checkbox"/> | Set-up <input type="checkbox"/> | | | | |
| | Cracks <input type="checkbox"/> | Broken/Damage/Defect <input type="checkbox"/> | Hardware <input type="checkbox"/> | Part Incorrect <input type="checkbox"/> | Temperature/Cure <input type="checkbox"/> | | | | |
| | Crimp/Kink/Ripple/Wave <input type="checkbox"/> | Burrs <input type="checkbox"/> | Inspection Incomplete/Unqualified <input type="checkbox"/> | Part Lost/Missing <input type="checkbox"/> | Weld <input type="checkbox"/> | | | | |
| | Cuffs <input type="checkbox"/> | Contamination <input type="checkbox"/> | Instructions Incomplete/Unclear <input type="checkbox"/> | Part Moved <input type="checkbox"/> | Wrong Stock Pulled <input type="checkbox"/> | | | | |
| | Crushing <input type="checkbox"/> | Countersink <input type="checkbox"/> | Misaligned/off center <input type="checkbox"/> | Positioned Wrong <input type="checkbox"/> | Other <input type="checkbox"/> | | | | |
| | Heat Treat <input type="checkbox"/> | Cut Too Short <input type="checkbox"/> | Mislabeled <input type="checkbox"/> | Power Loss/ Surge <input type="checkbox"/> | | | | | |
| | Inspection Strip in Tube <input type="checkbox"/> | Drawing <input type="checkbox"/> | Misread <input type="checkbox"/> | | | | | | |
| | Marks/Chatter <input type="checkbox"/> | Drill Holes <input type="checkbox"/> | Off-set <input type="checkbox"/> | | | | | | |
| | Turning Sequence <input type="checkbox"/> | Finish <input type="checkbox"/> | Out of Calibration <input type="checkbox"/> | | | | | | |
| | Wave/Twist in Tube <input type="checkbox"/> | Fit/Function <input type="checkbox"/> | Out of Sequence <input type="checkbox"/> | | | | | | |

Work Order ID 109833

109833

Page 2

December-03-13 8:35:54 AM

Item ID: D3889-3

Accept

N900040100

Setup

Start

NS1

Revision ID:

Stop

NS2

Item Name: Gasket

Start Date: 12/03/13 Start Qty: 3.00

3

Cust Item ID:

Required Date: 12/10/13 Req'd Qty: 3.00

3

Customer:

Reference:

Approvals:

Process Plan:

Date:

Tooling:

Date:

Run

Start

NR1

QC:

Date:

SPC (Y/N):

Date:

Stop

NR2

Sequence ID/
Work Center ID

Operation
Description

Set Up/
Run Hours

Tool ID

Tool #

Plan
Code

Accept
Qty

Reject
Qty

Reject
Number

Insp.
Stamp

120

QC8- Inspect parts - second check

0.00

SH
13/12/14

2

120

QC

Quality Control

130

Identify as per dwg & Stock Location:

SH

0.00

DAS
30
888

13/12/05

130

Packaging

Packaging

140

QC21- Final Inspection - Work Order Release

0.00

SH/RM 13/12/05.

140

QC

Quality Control

Memo

0.00

MF
13/12/05

DQA:

Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed:

Date: _____

Work Order update only

| | | | | |
|-------------------|--|--|---|--|
| Work Order: _____ | | DISPOSITION Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Suspected Unapproved <input type="checkbox"/> | AGAINST DEPARTMENT/PROCESS Skid-tube <input type="checkbox"/> Machining <input type="checkbox"/> Thermoforming <input type="checkbox"/> Large Fab <input type="checkbox"/> Crosstube <input type="checkbox"/> Small Fab <input type="checkbox"/> Finishing <input type="checkbox"/> Composite <input type="checkbox"/> Water Jet <input type="checkbox"/> Prod. Eng. Coor. <input type="checkbox"/> Rec/Store/Packaging <input type="checkbox"/> Supplier <input type="checkbox"/> | Engineering <input type="checkbox"/> Quality <input type="checkbox"/> Other <input type="checkbox"/> |
| Part No. _____ | | | | |
| NCR No. _____ | | | | |

| Root Cause | Date | Step | Qty | Description of work order update or non-conformance | Initial Chief Eng | Action Description | Sign & Date | Verification | QC Inspector |
|---------------|------|------|-----|---|-------------------|--------------------|-------------|--------------|--------------|
| Design | | | | | | | | | |
| Doc/Data | | | | | | | | | |
| Equip/Tooling | | | | | | | | | |
| Handling/Pre | | | | | | | | | |
| Material | | | | | | | | | |
| Operator | | | | | | | | | |
| Offset/Setup | | | | | | | | | |
| Process | | | | | | | | | |
| Supplier | | | | | | | | | |
| Training | | | | | | | | | |
| Transport | | | | | | | | | |
| Unapproved | | | | | | | | | |

FAULT CATEGORY

| | | | | | | | | | | |
|--------------|---|---|--|---|---|--|--|--|--|--|
| Landing Gear | General | | | | | | | | | |
| | <input type="checkbox"/> Bending | <input type="checkbox"/> Bend | <input type="checkbox"/> Folio/Program | <input type="checkbox"/> Outside Dimensions | <input type="checkbox"/> Pressure/Forced | | | | | |
| | <input type="checkbox"/> Centre Not Concentric | <input type="checkbox"/> BOM/Route | <input type="checkbox"/> Grain | <input type="checkbox"/> Over/Under tolerance | <input type="checkbox"/> Set-up | | | | | |
| | <input type="checkbox"/> Cracks | <input type="checkbox"/> Broken/Damage/Defect | <input type="checkbox"/> Hardware | <input type="checkbox"/> Part Incorrect | <input type="checkbox"/> Temperature/Cure | | | | | |
| | <input type="checkbox"/> Crimp/Kink/Ripple/Wave | <input type="checkbox"/> Burrs | <input type="checkbox"/> Inspection Incomplete/Unqualified | <input type="checkbox"/> Part Lost/Missing | <input type="checkbox"/> Weld | | | | | |
| | <input type="checkbox"/> Cuffs | <input type="checkbox"/> Contamination | <input type="checkbox"/> Instructions Incomplete/Unclear | <input type="checkbox"/> Part Moved | <input type="checkbox"/> Wrong Stock Pulled | | | | | |
| | <input type="checkbox"/> Crushing | <input type="checkbox"/> Countersink | <input type="checkbox"/> Misaligned/off center | <input type="checkbox"/> Positioned Wrong | | | | | | |
| | <input type="checkbox"/> Heat Treat | <input type="checkbox"/> Cut Too Short | <input type="checkbox"/> Mislabeled | <input type="checkbox"/> Power Loss/Surge | <input type="checkbox"/> Other | | | | | |
| | <input type="checkbox"/> Inspection Strip in Tube | <input type="checkbox"/> Drawing | <input type="checkbox"/> Misread | | | | | | | |
| | <input type="checkbox"/> Marks/Chatter | <input type="checkbox"/> Drill Holes | <input type="checkbox"/> Off-set | | | | | | | |
| | <input type="checkbox"/> Turning Sequence | <input type="checkbox"/> Finish | <input type="checkbox"/> Out of Calibration | | | | | | | |
| | <input type="checkbox"/> Wave/Twist in Tube | <input type="checkbox"/> Fit/Function | <input type="checkbox"/> Out of Sequence | | | | | | | |

Picklist Print

Page 1 /1

December-03-13 8:35:59 AM

Work Order ID: 109833

Parent Item: D3889-3

Parent Item Name: Gasket

109833
D3889-3

Start Date: 12/03/13

Start Qty: 3.00

Required Date: 12/10/13

Required Qty: 3.00

Comments: IPP RevA: New issue DD verified by:EC

| Component Item ID/ Item Name | Replacement Item ID | Mfg/ Purch | Bin Item | Primary Location | Last Location | Route Seq ID | Unit of Measure | Qty on Hand | Qty per Kit | Total Qty | Qty Issued | Date Issued | Status |
|---------------------------------|------------------------|---------------|-------------|---------------------|------------------|-----------------|--------------------|----------------|-------------|--------------|---------------|----------------|--------|
| M4111NS.125 | | Purchased | No | | | 100 | sf | 192.9300 | 3.3053 | 14 | 10 | Jm13-12-4 | |

M4111NS 125

4111NS Black Neoprene/EPDM/SBR Blend Sheet 0.125"

| Location | Loc Qty | Loc Code |
|----------|---------|----------|
| MAT052 | 192.93 | |
| 114937 | 192.93 | |

119937

119937

DQA: _____

Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE



QA Closed: _____

Date: _____

Work Order update only

| | | | | | |
|-------------------|--|--|--|--|--|
| Work Order: _____ | DISPOSITION | AGAINST DEPARTMENT/PROCESS | | | |
| Part No. _____ | Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Suspected Unapproved <input type="checkbox"/> | Skid-tube <input type="checkbox"/> Machining <input type="checkbox"/> Thermoforming <input type="checkbox"/> Large Fab <input type="checkbox"/> | Crosstube <input type="checkbox"/> Small Fab <input type="checkbox"/> Finishing <input type="checkbox"/> Composite <input type="checkbox"/> | Water Jet <input type="checkbox"/> Prod. Eng. Coor. <input type="checkbox"/> Rec/Store/Packaging <input type="checkbox"/> Supplier <input type="checkbox"/> | Engineering <input type="checkbox"/> Quality <input type="checkbox"/> Other <input type="checkbox"/> |
| NCR No. _____ | | | | | |

| Root Cause | Date | Step | Qty | Description of work order update or non-conformance | Initial Chief Eng | Action Description | Sign & Date | Verification | QC Inspector |
|---------------|------|------|-----|---|-------------------|--------------------|-------------|--------------|--------------|
| Design | | | | | | | | | |
| Doc/Data | | | | | | | | | |
| Equip/Tooling | | | | | | | | | |
| Handling/Pre | | | | | | | | | |
| Material | | | | | | | | | |
| Operator | | | | | | | | | |
| Offset/Setup | | | | | | | | | |
| Process | | | | | | | | | |
| Supplier | | | | | | | | | |
| Training | | | | | | | | | |
| Transport | | | | | | | | | |
| Unapproved | | | | | | | | | |

| FAULT CATEGORY | | | | | | | | | |
|--------------------------|----------------------|--|--|--|-----------------------------------|--|--|--|--|
| Landing Gear | General | | | | | | | | |
| Bending | Bend | | | | Folio/Program | | | | |
| Centre Not Concentric | BOM/Route | | | | Grain | | | | |
| Cracks | Broken/Damage/Defect | | | | Hardware | | | | |
| Crimp/Kink/Ripple/Wave | Burrs | | | | Inspection Incomplete/Unqualified | | | | |
| Cuffs | Contamination | | | | Instructions Incomplete/Unclear | | | | |
| Crushing | Countersink | | | | Misaligned/off center | | | | |
| Heat Treat | Cut Too Short | | | | Mislabeled | | | | |
| Inspection Strip in Tube | Drawing | | | | Misread | | | | |
| Marks/Chatter | Drill Holes | | | | Off-set | | | | |
| Turning Sequence | Finish | | | | Out of Calibration | | | | |
| Wave/Twist in Tube | Fit/Function | | | | Out of Sequence | | | | |

| | | |
|--|---------------------|--------------------|
| DART AEROSPACE LTD | Work Order: | <i>109833</i> |
| Description: Gasket | Part Number: | D3889-3 |
| Inspection Dwg: D3889 Rev: A | | Page 1 of 1 |

FIRST ARTICLE INSPECTION CHECKLIST

X First Article Prototype

| | | | | | |
|--------------|---------|-------------|----------|---------------------|-----|
| Measured by: | Jm | Audited by: | SH | Prototype Approval: | N/A |
| Date: | 13-12-4 | Date: | 13 12 04 | Date: | N/A |

| Rev | Date | Change | Revised by | Approved |
|-----|----------|-----------|------------|---|
| A | 09.07.29 | New Issue | KJ | |

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____

Date: _____

Work Order update only

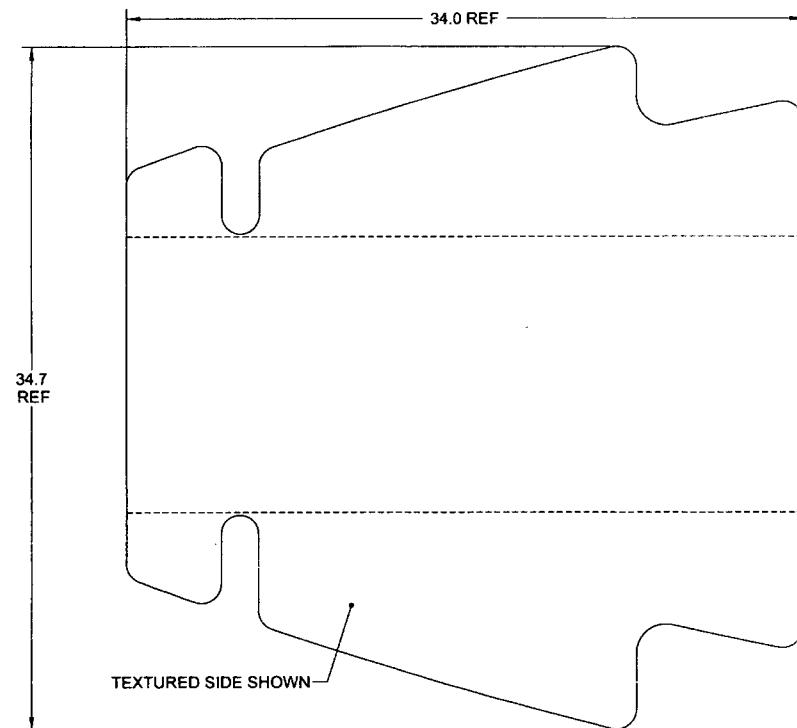
| Work Order: Part No. NCR No. | DISPOSITION | | | | AGAINST DEPARTMENT/PROCESS | | | | | | | | | | | | | | |
|------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|----------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| | Rework | Scrap | Use-as-is | Suspected Unapproved | Skid-tube | Machining | Thermoforming | Large Fab | Crosstube | Small Fab | Finishing | Composite | Water Jet | Prod. Eng. Coor. | Rec/Store/Packaging | Supplier | Engineering | Quality | Other |
| | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

| Root Cause | Date | Step | Qty | Description of work order update or non-conformance | Initial Chief Eng | Action Description | Sign & Date | Verification | QC Inspector |
|---------------|------|------|-----|---|-------------------|--------------------|-------------|--------------|--------------|
| Design | | | | | | | | | |
| Doc/Data | | | | | | | | | |
| Equip/Tooling | | | | | | | | | |
| Handling/Pre | | | | | | | | | |
| Material | | | | | | | | | |
| Operator | | | | | | | | | |
| Offset/Setup | | | | | | | | | |
| Process | | | | | | | | | |
| Supplier | | | | | | | | | |
| Training | | | | | | | | | |
| Transport | | | | | | | | | |
| Unapproved | | | | | | | | | |

| FAULT CATEGORY | | | | | | | | | |
|--------------------------|--------------------------|--------------------------|----------------------|--------------------------|-----------------------------------|--------------------------|----------------------|--------------------------|--------------------|
| Landing Gear | | | General | | | | | | |
| <input type="checkbox"/> | Bending | <input type="checkbox"/> | Bend | <input type="checkbox"/> | Folio/Program | <input type="checkbox"/> | Outside Dimensions | <input type="checkbox"/> | Pressure/Forced |
| <input type="checkbox"/> | Centre Not Concentric | <input type="checkbox"/> | BOM/Route | <input type="checkbox"/> | Grain | <input type="checkbox"/> | Over/Under tolerance | <input type="checkbox"/> | Set-up |
| <input type="checkbox"/> | Cracks | <input type="checkbox"/> | Broken/Damage/Defect | <input type="checkbox"/> | Hardware | <input type="checkbox"/> | Part Incorrect | <input type="checkbox"/> | Temperature/Cure |
| <input type="checkbox"/> | Crimp/Kink/Ripple/Wave | <input type="checkbox"/> | Burrs | <input type="checkbox"/> | Inspection Incomplete/Unqualified | <input type="checkbox"/> | Part Lost/Missing | <input type="checkbox"/> | Weld |
| <input type="checkbox"/> | Cuffs | <input type="checkbox"/> | Contamination | <input type="checkbox"/> | Instructions Incomplete/Unclear | <input type="checkbox"/> | Part Moved | <input type="checkbox"/> | Wrong Stock Pulled |
| <input type="checkbox"/> | Crushing | <input type="checkbox"/> | Countersink | <input type="checkbox"/> | Misaligned/off center | <input type="checkbox"/> | Positioned Wrong | <input type="checkbox"/> | |
| <input type="checkbox"/> | Heat Treat | <input type="checkbox"/> | Cut Too Short | <input type="checkbox"/> | Mislabeled | <input type="checkbox"/> | Power Loss/Surge | <input type="checkbox"/> | Other |
| <input type="checkbox"/> | Inspection Strip in Tube | <input type="checkbox"/> | Drawing | <input type="checkbox"/> | Misread | <input type="checkbox"/> | | <input type="checkbox"/> | |
| <input type="checkbox"/> | Marks/Chatter | <input type="checkbox"/> | Drill Holes | <input type="checkbox"/> | Off-set | <input type="checkbox"/> | | <input type="checkbox"/> | |
| <input type="checkbox"/> | Turning Sequence | <input type="checkbox"/> | Finish | <input type="checkbox"/> | Out of Calibration | <input type="checkbox"/> | | <input type="checkbox"/> | |
| <input type="checkbox"/> | Wave/Twist in Tube | <input type="checkbox"/> | Fit/Function | <input type="checkbox"/> | Out of Sequence | <input type="checkbox"/> | | <input type="checkbox"/> | |

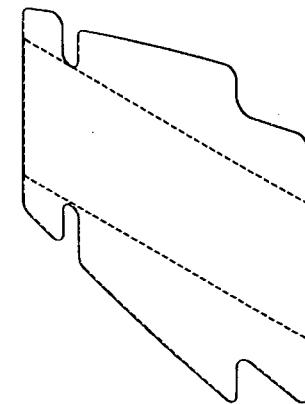
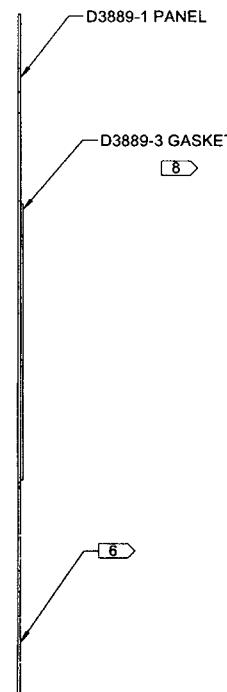
PARTS LIST

| ITEM | QTY | P/N | DESCRIPTION |
|------|-----|-----------|--------------|
| 1 | X | D3889-041 | PANEL, FLOOR |
| 2 | 1 | D3889-1 | PANEL |
| 3 | 1 | D3889-3 | GASKET |
| 4 | A/R | 3M 1300 | ADHESIVE |

D3889-041 PANEL, FLOOR

NOTES:

- 1) MATERIAL: N/A
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: NONE
- 6) IDENTIFICATION: IDENTIFY WITH DART P/N "D3889-041" AND B/N USING FINE POINT PERMANENT INK MARKER ON SMOOTH/UNTEXTURED SIDE OF PART
- 7) WEIGHT: 5.13 lbs
- 8) BOND GASKET TO SMOOTH/UNTEXTURED SIDE OF PART USING 3M 1300 ADHESIVE. TRIM GASKET TO EDGES OF PANEL, IF REQUIRED.



109833 ML5
13-12-03
RELEASED
09/06/16 TWP

| A | NEW ISSUE | CP | 09.04.20 |
|------------|-------------|---|--------------|
| REV. | DESCRIPTION | BY | DATE |
| DESIGN | <i>90</i> | DART AEROSPACE LTD | |
| DRAWN | <i>90</i> | HAWKESBURY, ONTARIO, CANADA | |
| CHECKED | <i>AM</i> | DRAWING NO. | REV. A |
| MFG. APPR. | <i>AM</i> | D3889 | SHEET 1 OF 3 |
| APPROVED | <i>AM</i> | TITLE | SCALE |
| DE APPR. | <i>AM</i> | PANEL, FLOOR | NTS |
| DATE | 09.04.20 | COPYRIGHT © 2009 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD | |

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____

Date: _____

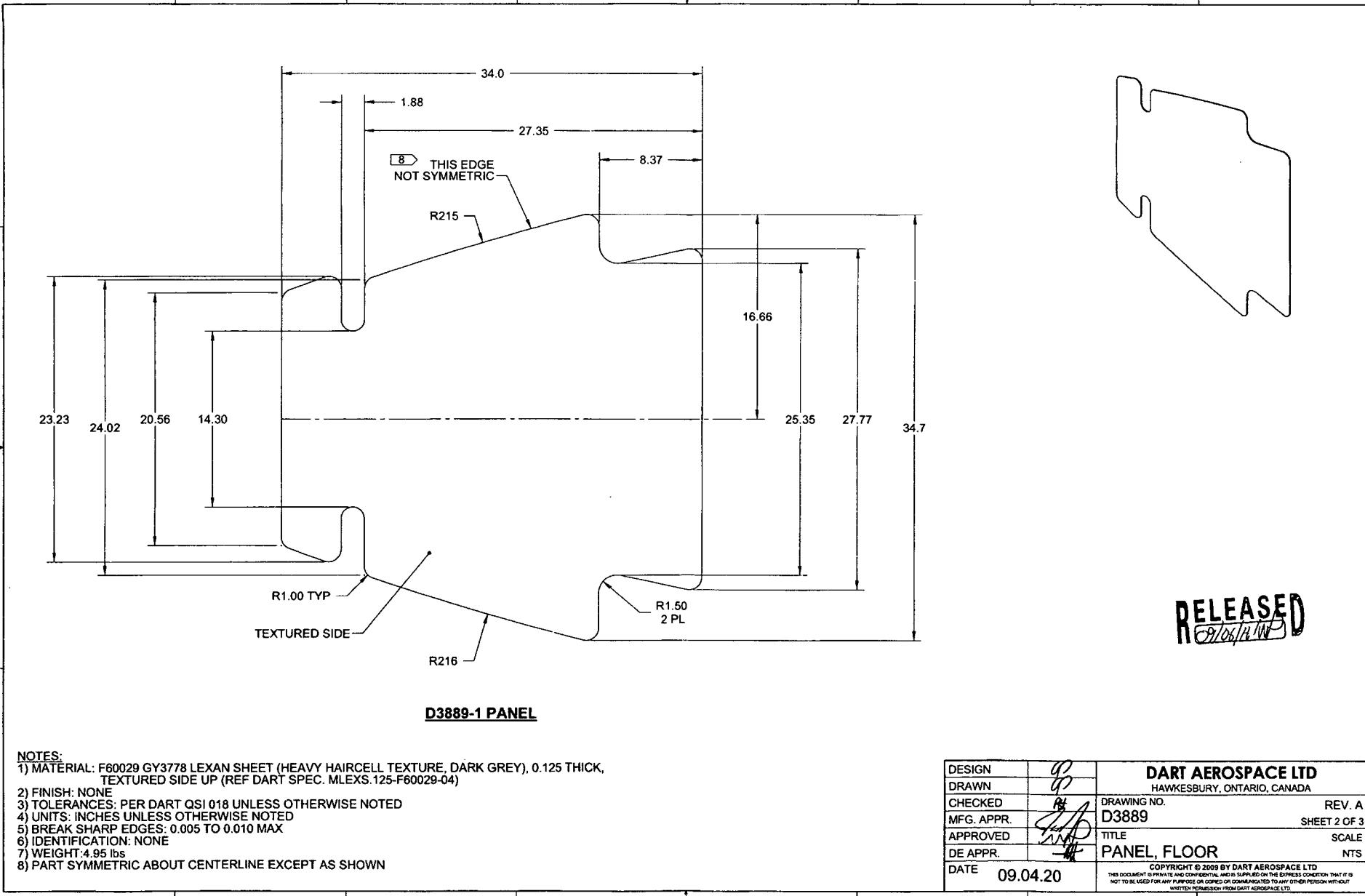
Work Order update only

| | | | | | | | | | |
|-------------------------------------|----------------------|----------------------------|-----------|---------------------|-------------|--|--|--|--|
| Work Order: _____ | DISPOSITION | AGAINST DEPARTMENT/PROCESS | | | | | | | |
| Part No. _____ NCR No. _____ | Rework | Skid-tube | Crosstube | Water Jet | Engineering | | | | |
| | Scrap | Machining | Small Fab | Prod. Eng. Coor. | Quality | | | | |
| | Use-as-is | Thermoforming | Finishing | Rec/Store/Packaging | Other | | | | |
| | Suspected Unapproved | Large Fab | Composite | Supplier | | | | | |

| Root Cause | Date | Step | Qty | Description of work order update or non-conformance | Initial Chief Eng | Action Description | Sign & Date | Verification | QC Inspector |
|---------------|------|------|-----|---|-------------------|--------------------|-------------|--------------|--------------|
| Design | | | | | | | | | |
| Doc/Data | | | | | | | | | |
| Equip/Tooling | | | | | | | | | |
| Handling/Pre | | | | | | | | | |
| Material | | | | | | | | | |
| Operator | | | | | | | | | |
| Offset/Setup | | | | | | | | | |
| Process | | | | | | | | | |
| Supplier | | | | | | | | | |
| Training | | | | | | | | | |
| Transport | | | | | | | | | |
| Unapproved | | | | | | | | | |

FAULT CATEGORY

| Landing Gear | General | Folio/Program | Outside Dimensions | Pressure/Forced |
|--------------------------|----------------------|-----------------------------------|----------------------|--------------------|
| Bending | Bend | Grain | Over/Under tolerance | Set-up |
| Centre Not Concentric | BOM/Route | Hardware | Part Incorrect | Temperature/Cure |
| Cracks | Broken/Damage/Defect | Inspection Incomplete/Unqualified | Part Lost/Missing | Weld |
| Crimp/Kink/Ripple/Wave | Burr | Instructions Incomplete/Unclear | Part Moved | Wrong Stock Pulled |
| Cuffs | Contamination | Misaligned/off center | Positioned Wrong | Other |
| Crushing | Countersink | Mislabeled | Power Loss/Surge | |
| Heat Treat | Cut Too Short | Misread | | |
| Inspection Strip in Tube | Drawing | Off-set | | |
| Marks/Chatter | Drill Holes | Out of Calibration | | |
| Turning Sequence | Finish | Out of Sequence | | |
| Wave/Twist in Tube | Fit/Function | | | |



| | | |
|------------|-----------|-----------------------------|
| DESIGN | <i>99</i> | DART AEROSPACE LTD |
| DRAWN | <i>99</i> | HAWKESBURY, ONTARIO, CANADA |
| CHECKED | <i>AB</i> | DRAWING NO. |
| MFG. APPR. | <i>AB</i> | D3889 |
| APPROVED | <i>AB</i> | REV. A |
| DE APPR. | <i>AB</i> | SHEET 2 OF 3 |
| DATE | 09.04.20 | TITLE |
| | | PANEL, FLOOR |
| | | SCALE |
| | | NTS |

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WRITTEN PERMISSION FROM DART AEROSPACE LTD.

DQA:

Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed:

Date: _____

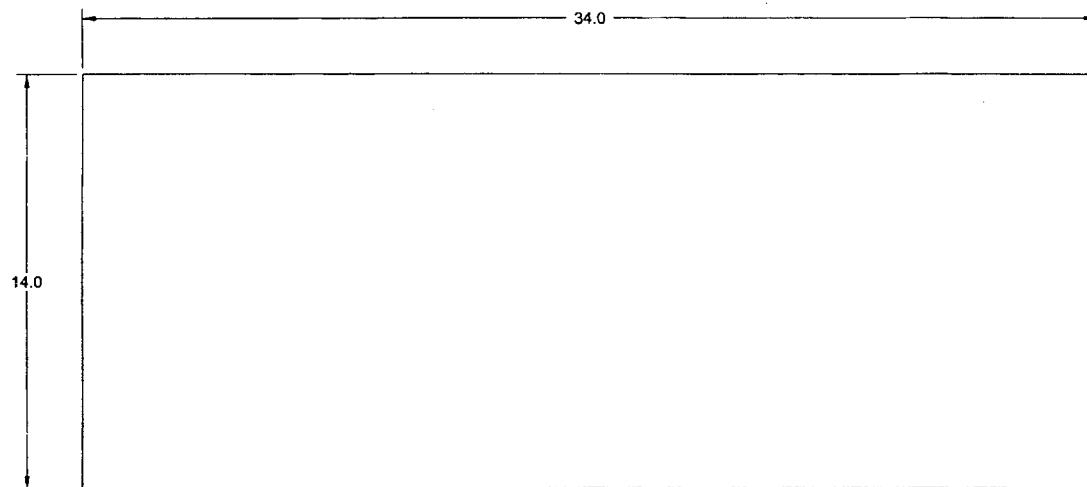
Work Order update only

| | | | | | | | |
|-------------------|---|--|------------------------------------|--|--------------------------------------|--|--|
| Work Order: _____ | DISPOSITION | AGAINST DEPARTMENT/PROCESS | | | | | |
| Part No. _____ | Rework <input type="checkbox"/> | Skid-tube <input type="checkbox"/> | Crosstube <input type="checkbox"/> | Water Jet <input type="checkbox"/> | Engineering <input type="checkbox"/> | | |
| NCR No. _____ | Scrap <input type="checkbox"/> | Machining <input type="checkbox"/> | Small Fab <input type="checkbox"/> | Prod. Eng. Coor. <input type="checkbox"/> | Quality <input type="checkbox"/> | | |
| | Use-as-is <input type="checkbox"/> | Thermoforming <input type="checkbox"/> | Finishing <input type="checkbox"/> | Rec/Store/Packaging <input type="checkbox"/> | Other <input type="checkbox"/> | | |
| | Suspected Unapproved <input type="checkbox"/> | Large Fab <input type="checkbox"/> | Composite <input type="checkbox"/> | Supplier <input type="checkbox"/> | | | |

| Root Cause | Date | Step | Qty | Description of work order update or non-conformance | Initial Chief Eng | Action Description | Sign & Date | Verification | QC Inspector |
|---------------|------|------|-----|---|-------------------|--------------------|-------------|--------------|--------------|
| Design | / | / | / | / | / | / | / | / | / |
| Doc/Data | / | / | / | / | / | / | / | / | / |
| Equip/Tooling | / | / | / | / | / | / | / | / | / |
| Handling/Pre | / | / | / | / | / | / | / | / | / |
| Material | / | / | / | / | / | / | / | / | / |
| Operator | / | / | / | / | / | / | / | / | / |
| Offset/Setup | / | / | / | / | / | / | / | / | / |
| Process | / | / | / | / | / | / | / | / | / |
| Supplier | / | / | / | / | / | / | / | / | / |
| Training | / | / | / | / | / | / | / | / | / |
| Transport | / | / | / | / | / | / | / | / | / |
| Unapproved | / | / | / | / | / | / | / | / | / |

| FAULT CATEGORY | | | | | | | | | |
|----------------|---|---|--|---|---|--|--|--|--|
| Landing Gear | General | | | | | | | | |
| | Bending <input type="checkbox"/> | Bend <input type="checkbox"/> | Folio/Program <input type="checkbox"/> | Outside Dimensions <input type="checkbox"/> | Pressure/Forced <input type="checkbox"/> | | | | |
| | Centre Not Concentric <input type="checkbox"/> | BOM/Route <input type="checkbox"/> | Grain <input type="checkbox"/> | Over/Under tolerance <input type="checkbox"/> | Set-up <input type="checkbox"/> | | | | |
| | Cracks <input type="checkbox"/> | Broken/Damage/Defect <input type="checkbox"/> | Hardware <input type="checkbox"/> | Part Incorrect <input type="checkbox"/> | Temperature/Cure <input type="checkbox"/> | | | | |
| | Crimp/Kink/Ripple/Wave <input type="checkbox"/> | Burrs <input type="checkbox"/> | Inspection Incomplete/Unqualified <input type="checkbox"/> | Part Lost/Missing <input type="checkbox"/> | Weld <input type="checkbox"/> | | | | |
| | Cuffs <input type="checkbox"/> | Contamination <input type="checkbox"/> | Instructions Incomplete/Unclear <input type="checkbox"/> | Part Moved <input type="checkbox"/> | Wrong Stock Pulled <input type="checkbox"/> | | | | |
| | Crushing <input type="checkbox"/> | Countersink <input type="checkbox"/> | Misaligned/off center <input type="checkbox"/> | Positioned Wrong <input type="checkbox"/> | Other <input type="checkbox"/> | | | | |
| | Heat Treat <input type="checkbox"/> | Cut Too Short <input type="checkbox"/> | Mislabeled <input type="checkbox"/> | Power Loss/Surge <input type="checkbox"/> | | | | | |
| | Inspection Strip in Tube <input type="checkbox"/> | Drawing <input type="checkbox"/> | Misread <input type="checkbox"/> | | | | | | |
| | Marks/Chatter <input type="checkbox"/> | Drill Holes <input type="checkbox"/> | Off-set <input type="checkbox"/> | | | | | | |
| | Turning Sequence <input type="checkbox"/> | Finish <input type="checkbox"/> | Out of Calibration <input type="checkbox"/> | | | | | | |
| | Wave/Twist in Tube <input type="checkbox"/> | Fit/Function <input type="checkbox"/> | Out of Sequence <input type="checkbox"/> | | | | | | |

8 7 6 5 4 3 2 1



D3889-3 GASKET

RELEASED
2/16/16 MP

NOTES:
1) MATERIAL: NEOPRENE FOAM SHEET, 0.125 THICK
(REF DART SPEC. M4111N-S.125)

2) FINISH: NONE
3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
4) UNITS: INCHES UNLESS OTHERWISE NOTED
5) BREAK SHARP EDGES: NONE
6) IDENTIFICATION: NONE
7) WEIGHT: 0.19 lbs

8 7 6 5 4 3 2 1

| | | | |
|------------|-----------|--|--------------|
| DESIGN | <i>93</i> | DART AEROSPACE LTD | |
| DRAWN | <i>93</i> | HAWKESBURY, ONTARIO, CANADA | |
| CHECKED | <i>93</i> | DRAWING NO. | REV. A |
| MFG. APPR. | <i>93</i> | D3889 | SHEET 3 OF 3 |
| APPROVED | <i>93</i> | TITLE | SCALE |
| DE APPR. | <i>93</i> | PANEL, FLOOR | NTS |
| DATE | 09.04.20 | COPYRIGHT © 2009 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD. | |

DQA:

Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed:

Date: _____

Work Order update only

| | | | | |
|-------------------|--|---|--|--|
| Work Order: _____ | DISPOSITION <input type="checkbox"/> Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Suspected Unapproved | AGAINST DEPARTMENT/PROCESS <input type="checkbox"/> Skid-tube <input type="checkbox"/> Machining <input type="checkbox"/> Thermoforming <input type="checkbox"/> Large Fab <input type="checkbox"/> Crosstube <input type="checkbox"/> Small Fab <input type="checkbox"/> Finishing <input type="checkbox"/> Composite | <input type="checkbox"/> Water Jet <input type="checkbox"/> Prod. Eng. Coor. <input type="checkbox"/> Rec/Store/Packaging <input type="checkbox"/> Supplier | <input type="checkbox"/> Engineering <input type="checkbox"/> Quality <input type="checkbox"/> Other |
| Part No. _____ | | | | |
| NCR No. _____ | | | | |

| Root Cause | Date | Step | Qty | Description of work order update or non-conformance | Initial Chief Eng | Action Description | Sign & Date | Verification | QC Inspector |
|---------------|------|------|-----|---|-------------------|--------------------|-------------|--------------|--------------|
| Design | | | | | | | | | |
| Doc/Data | | | | | | | | | |
| Equip/Tooling | | | | | | | | | |
| Handling/Pre | | | | | | | | | |
| Material | | | | | | | | | |
| Operator | | | | | | | | | |
| Offset/Setup | | | | | | | | | |
| Process | | | | | | | | | |
| Supplier | | | | | | | | | |
| Training | | | | | | | | | |
| Transport | | | | | | | | | |
| Unapproved | | | | | | | | | |

FAULT CATEGORY

| | | | | |
|--|--|---|--|--|
| Landing Gear <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric <input type="checkbox"/> Cracks <input type="checkbox"/> Crimp/Kink/Ripple/Wave <input type="checkbox"/> Cuffs <input type="checkbox"/> Crushing <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Marks/Chatter <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube | General <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damage/Defect <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drawing <input type="checkbox"/> Drill Holes <input type="checkbox"/> Finish <input type="checkbox"/> Fit/Function | <input type="checkbox"/> Folio/Program <input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete/Unqualified <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Misaligned/off center <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Off-set <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence | <input type="checkbox"/> Outside Dimensions <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge | <input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Set-up <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled <input type="checkbox"/> Other |
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